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TI - MULTIPLEX PROPAGATION PATH \*\*\*SIMULATOR\*\*\*

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- AB - PURPOSE: To attain radio wave propagation test of a multiplex propagation line indoor by setting the length of plural \*\*\*optical\*\*\* \*\*\*fiber\*\*\* cables and the \*\*\*attenuation\*\*\* characteristic of an optical \*\*\*attenuator\*\*\* respectively optionally so as to obtain a desired propagation characteristic in a \*\*\*simulating\*\*\* way.
- CONSTITUTION: The \*\*\*simulator\*\*\* consists of an optical transmission section 2 converting an electric signal inputted from a transmitter TX into an optical signal, an optical demultiplexer 4 demultiplexing an output 3 of the optical transmission section 2 into plural optical signals, and plural \*\*\*optical\*\*\* \*\*\*fibers\*\*\* 5 sending the optical signal demultiplexed and connected to the optical demultiplexer 4 respectively. Moreover, an optical \*\*\*attenuator\*\*\* 6 interposed respectively to the \*\*\*optical\*\*\* \*\*\*fiber\*\*\* cables 5, an optimum multiplexer 8 multiplexing the optical signals outputted from the optical \*\*\*attenuator\*\*\* 6 and an optical reception section 12 converting the optical signal from the optical multiplexer 8 into an electric signal and outputting the signal to a receiver RX are provided. Then the length of plural \*\*\*optical\*\*\* \*\*\*fiber\*\*\* cables and the \*\*\*attenuation\*\*\* characteristic of the optical \*\*\*attenuators\*\*\* 6, 10 are changed independently optionally and respectively are changed. Thus, the optical signals are multiplexed again to form an optional multiplex propagation state and indoor experiment in the multiplex propagation is attained.
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